

Water disinfection method and apparatus

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Abstract

Known methods for the disinfection or sterilisation of water entail a hypochlorite solution being prepared electrochemically in an electrolysis cell and being metered into the water to be disinfected. In order to make possible low-cost preparation of the hypochlorite solution without great effort under defined conditions in such methods, and to provide a method and an apparatus which are particularly suitable for preparing small amounts of a hypochlorite solution and for discontinuous operation, in one method the water which is to be mixed with a stored brine is directly removed from a pipeline under constant pressure, and the hypochlorite solution which has been generated electrochemically is directly metered into the water to be disinfected. In a corresponding apparatus, the inlet into the electrolysis cell is connected to a pipeline under constant pressure, which is opened or closed by a blocking element which is operated by an additional electrical control, and the hypochlorite solution generated in the electrolysis cell is furthermore passed to a metering point in the pipeline, through which the medium to be disinfected flows, via a

direct metering line from the electrolysis cell.

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